

Application Note 1

Multiple X10DR Units connected to one mobile radio



The XIB interface box allows multiple X10DR's to be connected to the one mobile radio. All units can hear each others communications as well as the conversations over the network. The interface unit connects to the host radio via the XMC series interface cable.

Each X10DR connects to the XIB by way of short 50cm (20") XIB-CK connecting cables. Multiple XIBs can be connected where connection to more than 3 units are required.

Note: Antenna placement for each X10DR X-Ponder is critical. Each antenna should be ideally placed >20" (50cm) from each other to minimize inter-unit interference. The antennas should also be positioned so that individual users experience similiar coverage patterns. Wireless Pacific recommend use of our **multi-polarity antennas** so that the best possible coverage is provided to each X10DR user. Multi-polarity antennas provide superior coverage in non 'line of sight' coverage situations, especially when talking into concrete walled buildings or around corners or other physical obstacles to line of sight communications.

